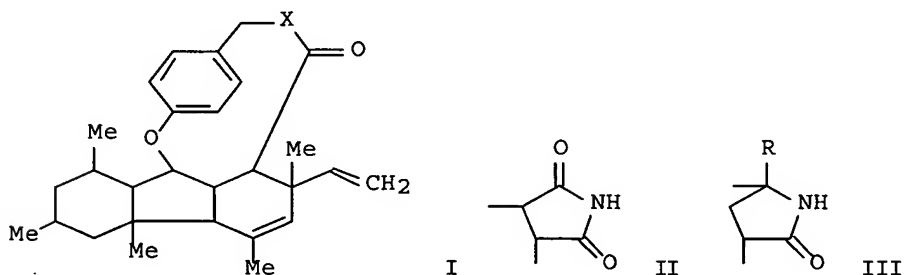


L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:666589 HCAPLUS
 DN 135:209979
 TI Antibiotic antitumor GKK1032 manufacture with Penicillium
 IN Koizumi, Fumito; Hasegawa, Kiyohiro; Ando, Katsuhiko; Ogawa, Tatsuhiro;
 Hara, Akinobu
 PA Kyowa Hakko Kogyo Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001247574	A2	20010911	JP 2000-397813	20001227 <--
PRAI	JP 1999-372825	A	19991228		
GI					



AB The antibiotic antitumor GKK1032 (I: X = II or III wherein R = hydroxy or lower alkoxy), e.g. GKK1032A1, A2, A3, and B, are manufactured with Penicillium by fermentation Shake culture of Penicillium sp. GKK1032, and recovery of I by solvent extraction and chromatogs. were shown. The physicochem. characteristics of GKK1032A1, A2, A3, and B were given.
 IC ICM C07D491-08
 ICS A61K031-407; A61P031-04; A61P035-00; C12N001-20; C12P017-18; C12R001-80
 CC 16-2 (Fermentation and Bioindustrial Chemistry)
 Section cross-reference(s): 1, 63
 ST antibiotic antitumor GKK1032 manuf Penicillium
 IT Antibiotics
 Antitumor agents
 Drugs
 Fermentation
 Penicillium
 (antibiotic antitumor GKK1032 manufacture with Penicillium)
 IT Antitumor agents
 (antibiotic; antibiotic antitumor GKK1032 manufacture with Penicillium)
 IT Antibiotics
 (antitumor; antibiotic antitumor GKK1032 manufacture with Penicillium)
 IT 358375-08-3P 358375-09-4P 358375-10-7P 358375-11-8P
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP

(Preparation)

(antibiotic antitumor GKK1032 manufacture with Penicillium)